

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Yoshida et al.                      Art Unit : Unknown  
Serial No. : Unknown                              Examiner : Unknown  
Filed : February 9, 2000  
Title : METHOD FOR ANALYZING GENOMIC DNA

Assistant Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the claims as below. When calculating claim fees, please take into consideration the amended claim and newly added claims below. Note that multiple dependent claim 4 has been amended to depend on claim 1 only. There are no multiple dependent claims in the present application after the amendment. Four new dependent claims are added. There are total of 9 pending claims.

In the Claims:

Please amend claims as follows:

4. (Amended) A genomic DNA analytical pattern, which has been obtained by means of a method of analysis according to [any of claims 1 to 3] claim 1.

Please add the following new claims:

-- 6. A genomic DNA analytical pattern, which has been obtained by means of a method of analysis according to claim 2.

7. A pattern according to claim 6, wherein the pattern is one represented by Figs. 4, 5, 6, or 8.

8. A genomic DNA analytical pattern, which has been obtained by means of a method of analysis according to claim 3.

9. A pattern according to claim 8, wherein the pattern is one represented by Figs. 4, 5, 6, or 8.--

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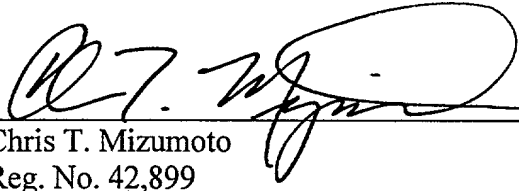
Attorney : Docket No.: 11283-003001  
Client's Ref. No.: PH-750US

REMARKS

Applicant submits that all of the claims are now in condition for examination, which action is requested.

Respectfully submitted,

Date: 2/9/00

  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Yoshida et al.                      Art Unit : Unknown  
Serial No. : to be determined                  Examiner : Unknown  
Filed : August 16, 2001  
Title : METHOD FOR ANALYZING GENOMIC DNA

Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the specification:

Insert before the paragraph beginning at page 1, line 1 with the following rewritten paragraph:

-- This application is a divisional of US Application No. 09/500,719, filed February 9, 2000. --

In the claims:

Please amend claims as follows:

4. (Amended) A genomic DNA analytical pattern, which has been obtained by means of a method of analysis comprising:

(a) treating genomic DNA with a first restriction enzyme that provides restriction enzyme cleavage sites of different sequences;

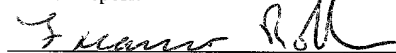
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August 16, 2001

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- (b) linking one end of an adapter to a restriction enzyme cleavage site that is complementary to the end of the adapter, and labeling the other end of said adapter;
- (c) treating the resulting DNA fragments with a second restriction enzyme to bring about first-dimensional fractionation;
- (d) treating the fractionated DNA fragments of step (c) with a third restriction enzyme to bring about second-dimensional fractionation; and
- (e) detecting the spots of the labeled DNA fragments fractionated in step (d).

Please add the following new claims:

-- 6. A genomic DNA analytical pattern, which has been obtained by means of a method of analysis according to claim 2.

7. A pattern according to claim 6, wherein the pattern is one represented by Figs. 4, 5, 6, or 8.

8. A genomic DNA analytical pattern, which has been obtained by means of a method of analysis according to claim 3.

9. A pattern according to claim 8, wherein the pattern is one represented by Figs. 4, 5, 6, or 8.--

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Attorney's Docket No.: 11283-003002

REMARKS

This is a divisional of parent application no. 09/500,719, filed February 9, 2000.  
Applicants request examination on claims 4-9 not elected for examination in the parent application. Claims 1 to 3 have been deleted.

Attached is a marked-up version of the changes being made by the current amendment.

Applicant asks that all claims be examined. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,



Chris T. Mizumoto  
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Date: August 16, 2001

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**Version with markings to show changes made**

In the specification:

Insert before the paragraph beginning at page 1, line 1 has been amended as follows:

This application is a divisional of US Application No. 09/500,719, filed February 9, 2000.

In the claims:

Claims 1 to 3 have been cancelled.

Claim 4 has been amended as follows:

4. (Amended) A genomic DNA analytical pattern, which has been obtained by means of a method of analysis [according to any of claims 1 to 3] comprising:

(a) treating genomic DNA with a first restriction enzyme that provides restriction enzyme cleavage sites of different sequences;

(b) linking one end of an adapter to a restriction enzyme cleavage site that is complementary to the end of the adapter, and labeling the other end of said adapter;

(c) treating the resulting DNA fragments with a second restriction enzyme to bring about first-dimensional fractionation;

(d) treating the fractionated DNA fragments of step (c) with a third restriction enzyme to bring about second-dimensional fractionation; and

(e) detecting the spots of the labeled DNA fragments fractionated in step (d).